

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14789

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 901 147 A (JOFFE ALEXANDER) 4 May 1999 (1999-05-04) column 1, line 9 - line 42 column 1, line 62 - column 2, line 2 -----	1-36
A	EP 1 249 972 A (ERICSSON TELEFON AB L M) 16 October 2002 (2002-10-16) cited in the application claims 1,6 -----	1-36



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

23 September 2004

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30/09/2004

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INTERNATIONAL SEARCH REPORT

International Application No *

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5901147	A	04-05-1999	EP	0864244 A1	16-09-1998
			JP	11502397 T	23-02-1999
			WO	9809475 A1	05-03-1998
<hr/>					
EP 1249972	A	16-10-2002	EP	1249972 A1	16-10-2002
			WO	02082747 A2	17-10-2002
			EP	1378097 A2	07-01-2004
			US	2004111541 A1	10-06-2004
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